400 Research paper

Predicting Disease in Transition Dairy Cattle Based on Behaviors Measured Before Calving

by Sahar, M.W., Beaver, A., von Keyserlingk, A.A.G., and

2020 Animals 10: 15p paper

In **Significant Impact Groups:**

Precision Livestock Farming & Early detection \ Sensor technology

Species targeted: Dairy;

Age: Adult;

Summary:

Dairy cattle often become ill after calving. This article is about models designed to predict which cows are likely to become ill based upon measures of the cows' feeding and competitive behaviors before calving. The models had high sensitivity (73–71%), specificity (80–84%), positive predictive values (73–77%), and negative predictive values (80–80%) for both cows that had previously calved and for those calving for the first time. So they concluded that behaviors at the feed bunk before calving can predict cows at risk of becoming sick in the weeks after calving.

Where to find the original material:

https://www.mdpi.com/2076-2615/10/6/928/htm; https://doi.org/10.3390/ani10060928

Country: British Columbia, Canada